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PATENTS

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
JEN-HOUNE HANNSEN SU and
ROBERT JOSEPH GALLANT

Attorney Docket No.: 82,593

Title: CONSTANT NATURAL FREQUENCY
PASSIVE-ACTIVE MOUNT



INFORMATION DISCLOSURE STATEMENT BY APPLICANT

U.S. PATENT DOCUMENTS

MB CTB

<input checked="" type="checkbox"/>	Houghton, Jr. et al. U.S. Patent 6,209,841 B1 issued 03 Apr. 2001
<input checked="" type="checkbox"/>	Krysinsky et al. U.S. Patent 6,045,090 issued 04 Apr. 2000
<input checked="" type="checkbox"/>	Rivin U.S. Patent 5,934,653 issued 10 Aug. 1999
<input checked="" type="checkbox"/>	Su U.S. Patent 5,899,443 issued 04 May 1999
<input checked="" type="checkbox"/>	Su U.S. Patent 5,887,858 issued 30 March 1999
<input checked="" type="checkbox"/>	Lee et al. U.S. Patent 5,780,948 issued 14 July 1998
<input checked="" type="checkbox"/>	Lee et al. U.S. Patent 5,780,740 issued 14 July 1998
<input checked="" type="checkbox"/>	Rivin U.S. Patent 5,630,758 issued 20 May 1997
<input checked="" type="checkbox"/>	Cheng et al. U.S. Patent 5,544,451 issued 13 Aug. 1996
<input checked="" type="checkbox"/>	Leyshon U.S. Patent 5,016,862 issued 21 May 1991
<input checked="" type="checkbox"/>	Hall et al. U.S. Patent 4,880,201 issued 14 Nov. 1989
<input checked="" type="checkbox"/>	Lafferty U.S. Patent 4,619,467 issued 28 Oct. 1986
<input checked="" type="checkbox"/>	Shtarkman U.S. Patent 4,509,730 issued 09 April 1985
<input checked="" type="checkbox"/>	Stone et al. U.S. Patent 4,452,329 issued 05 June 1984
<input checked="" type="checkbox"/>	Barley U.S. Patent 4,384,701 issued 24 May 1983
<input checked="" type="checkbox"/>	Madden U.S. Patent 4,218,187 issued 19 Aug. 1980
<input checked="" type="checkbox"/>	Leingang U.S. Patent 3,997,151 issued 14 Dec. 1976
MB <u>CTB</u>	Taylor U.S. Patent 3,947,004 issued 30 March 1976

EXAMINER SIGNATURE

C. T. Bat
Melody M. Burch

DATE CONSIDERED

10/16/02
2/7/03

NON-PATENT DOCUMENTS

mb C TB ✓ Rivin, Eugene (Evgeny) I., "Vibration Isolation of Precision Equipment," *Precision Engineering*, 1995, vol. 17, pp 41-56.

✓ Rivin, Eugene (Evgeny) I., "Shaped Elastomeric Components for Vibration Control Devices," *Sound and Vibration*, July 1999, Vol. 33, no. 7, pp 18-23.

✓ Schmitt, Regis V. and Kerr, Matthew L., "A New Elastomeric Suspension Spring," Society of Automotive Engineers (SAE), Inc., SAE Paper No. 710058, *Automotive Engineering Congress*, Detroit, Michigan, January 11-15, 1971 (8 pages).

✓ Rivin, E.I., "Principles and Criteria of Vibration Isolation of Machinery," *ASME Journal of Mechanical Design*, Transactions of the ASME, Vol. 101, October 1979, pp 682-692.

✓ Rivin, E.I., "Passive engine mounts -- Some Directions for Further Development," *SAE 1985 Transactions*, Society of Automotive Engineers (SAE), Inc., SAE Paper No. 850481, Section 3, Vol. 94, 1986, pp. 3.582-3.591.

✓ Jen-Houne Hannsen Su et al, "Mechanisms of Localized Vibration Control in Complex Structures," *Journal of Vibration and Acoustics*, Jan. 1996, Vol. 118, pp 135-139.

✓ Jen-Houne Hannsen Su, "Robust Passive-Active Mounts for Machinery and Equipment," *Proceedings of DETC '97*, 1997 ASME Design Engineering Technical Conferences, September 14-17, 1997, Sacramento, California (nine pages).

mb C TB ✓ J.E. Ruzicka, "Fundamental Concepts of Vibration Control," *Sound and Vibration*, July 1971, pp 16-23.

EXAMINER SIGNATURE

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Melody M. Burch

DATE CONSIDERED

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2/7/03

Respectfully submitted,

Howard Kaiser

HOWARD KAISER

Reg. No. 31,381

ATTORNEY FOR APPLICANT

10/02/01
date

Office of Counsel (Patents), Code 004
Naval Surface Warfare Center, Carderock Division
9500 MacArthur Blvd., West Bethesda, MD 20817-5700
phone (301) 227-1834 fax (301) 227-1968
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